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# EXECUTIVE SUMMARY

nVent Erico is requesting quality assurance for anticipated and ongoing maintenance of the LPSD software. The objective of this project is to verify that any updates to LPSD software do not affect the technical design output of the results. Currently, the nVent ERICO design team validates output for system 1000, 2000, 3000 manually or reports issues as they arise. The future state would be a report generated with quality checks of system 1000, 2000, and 3000 test cases.

# SCOPE OF WORK (“SOW”)

The following describes the UI and functionality of the feature that will be developed under this scope of work.

## User stories:

*As a LPSD administrator I would like to have record of changes made to the software and insurance that updates do not affect the accuracy of design output. I would like to have traceability records per revision in case we need to identify when an issue started occurring*

*As a LP Designer I would like to decrease the time it takes to verify that updates do not affect design analysis*

**Acceptance criteria:**

* *Data output - Generate TCresults files (xlsx/json) for each test case saved in agreed location, see embedded xlsx as an example*
* *UI - Generate summary report file saved in agreed location*
  + *Summary report includes….*



## ASTI/Graitec Responsibility

## QA Automation Report Publication

* Log of results files, push #, date,

## nVent Erico Responsibilities:

nVent is responsible for:

* Provide test cases, models, and calculation check points for system 1000, 2000, 3000
  + System 1000
  + System 2000
  + System 3000 – 7 cases x 2 covered not covered?
* Template for QA Report
* Storage location for reporting / file outputs

# Qualifications

See acceptance criteria of the user story

# Timeline

To be determined.